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BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK:Improvements CC Roads and CC Drains works at Kogilu Layout in Ward No.05

Byatarayanapura Sub Division

Agency: M/s KRIDL

SHEDULE-B

Sl no	App Qty	Description of Work	Unit	Rate in figures	Rate in Words
1	1361.89	Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. and as per the directions of the Engineer-in-charge of the work .	Cum	137.80	Rupees One Hundred Thirty Seven and Eighty Paise Only
2	445.17	Removing B S Slab of Drain and stacking 7.5MM Thick, and as per the directions of the Engineer-in-charge of the work .	Sqm	104.94	Rupees One Hundred Four and Ninety Four Paise Only
3	445.17	Refixing stone slabs of drains and pointing in C.M (1:3) and as per the directions of the Engineer-in-charge of the work .	Sqm	111.30	Rupees One Hundred Eleven and Thirty Paise Only
4	117.98	Providing granite slabs of selected quality roughly dressed and fixed in cement mortar(1:6) including fixing curing etc and as per the directions of the Engineer-in-charge of the work .	Sqm	742.00	Rupees Seven Hundred Forty Two Only
5	263.87	Construction of Rolled Cement Concrete mix 1:4:8 OPC cement @180kgs, with 25mm and down size graded granite metal coarse aggregate at 0.85cum and fine aggregates @0.57cum base course with coarse and fine aggregate conforming to IS:383, aggregate cement ratio 12:1 and minimum cement content of 180kg/ cum, aggregate gradation to be as per Table 600-4 after blending, mixing in batching plant at optimum moisture content, transporting to site, laying with a paver with electronic sensor, compacting with 8-10 tonnes smooth wheeled vibratory roller to achieve, the designed flexural strength, finishing and curing complete as per specifications and as per the directions of the Engineer-in-charge of the work .	Cum	3606.12	Rupees Three Thousand Six Hundred Six and Twelve Paise Only
6	25.68	Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. and as per the directions of the Engineer-in-charge of the work .	Cum	4871.76	Rupees Four Thousand Eight Hundred Seventy One and Seventy Six Paise Only
7	19.26	Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. and as per the directions of the Engineer-in-charge of the work .	Cum	5305.30	Rupees Five Thousand Three Hundred Five and Thirty Paise Only

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Sl no	App Qty	Description of Work	Unit	Rate in figures	Rate in Words
8	1996.79	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specifications.and as per the directions of the Engineer-in-charge of the work .	Sqm	309.52	Rupees Three Hundred Nine and Fifty Two Paise Only
9	9.72	Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications. and as per the directions of the Engineer-in-charge of the work .	Cum	5627.54	Rupees Five Thousand Six Hundred Twenty Seven and Fifty Four Paise Only
10	56.77	Providing Flush pointing to coursed stone masonry with cement mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications.and as per the directions of the Engineer-in-charge of the work .	Sqm	223.66	Rupees Two Hundred Twenty Three and Sixty Six Paise Only
11	275.89	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. With 20mm and sown size granite metal course aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compcted for walls and bottom including centring shuttering cost of material HOM of machinary curing etc., complete execluding cost of steel as per MORTH specification and as per the directions of the Engineer-in-charge of the work .	Cum	5998.54	Rupees Five Thousand Nine Hundred Ninety Eight and Fifty Four Paise Only
12	19.90	Providing TMT steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, palcing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining memebrs wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. and as per the directions of the Engineer-in-charge of the work .	Tonne	75223.96	Rupees Seventy Five Thousand Two Hundred Twenty Three and Ninety Six Paise Only
13	229.13	Construction of embankment with approved material Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300- 2 complete as per specifications.(Which includes cost of gravel/murrum, watering charges & compaction by vibratory roller) and as per the directions of the Engineer-in-charge of the work	Cum	344.50	Rupees Three Hundred Forty Four and Fifty Paise Only

Sl no	App Qty	Description of Work	Unit	Rate in figures	Rate in Words
14	20.98	Providing, laying spreading and compacting graded stones aggregate to wet mix macadam specifications including premixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying, in uniform layers with paver in sub base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications and as per the directions of the Engineer-in-charge of the work .	Cum	2001.28	Rupees Two Thousand One and Twenty Eight Paise Only
15	455.67	Precast slab 20mm and down size for slab (including steel reinforcement) including centring and shuttering machine mixed concrete laid in layers not exceeding 15cms thick well compacted cost of all materials labour HOM of machineries curing complete as per specifications C : C 1:1.5:3 Including all cost of material (DATA RATE ENCLOSED) 10cm thick RCC pre cast slab. and as per the directions of the Engineer-in-charge of the work .	Sqm	2337.00	Rupees Two Thousand Three Hundred Thirty Seven Only
16	64.20	Providing and fixing RCC precast cover slab of 250mm thick made out of CC 1:2:4 and jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per the directions of the Engineer-in-charge of the work . (Data Rate)	Sqm	5418.00	Rupees Five Thousand Four Hundred Eighteen Only
17	98.80	Providing and laying cement concrete using 20mm and down size granite jelly of ready mixed concrete (RMC)for R.C.C works laid in 15cms thick layers and well compacted vibrating, curing, finishing with necessary cement mortar, form works and scaffoldings to withstand pumping of concrete, with all lead and lifts etc., complete (exclusive of cost of steel and fabrication charges.) Ready mixed Cement concrete M-20 for raft foundation, column footing, main and secondary beams. and as per the directions of the Engineer-in-charge of the work	Cum	5210.96	Rupees Five Thousand Two Hundred Ten and Ninety Six Paise Only
18	658.65	Vaccum De- watering with vaccum pump and suction mat and compaction with skin flater clubbed with floatiog disc including cost of generator, HOM of machinery Sereed Vibratory Power Floaterblade and diisc etc. with all lead and lift and as per the directions of the Engineer-in-charge of the work	Sqm	72.08	Rupees Seventy Two and Eight Paise Only
19	357.60	Providing and installing at site of work 63mm (0.662) PVC Pipes of 6 kg / cm2 including cost of pipes and specials and labour, including lowering into trenches, laying true to line, level and perfect linking at joints leak proof including jointing of approved type with all labour and lift charges, handling charges including encasing the pipe alround to a depth not less than 15cms with gravel or selected earth available from the excavation etc., complete and as per the directions of the Engineer-in-charge of the work .	Mtr	394.32	Rupees Three Hundred Ninety Four and Thirty Two Paise Only

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Sl no	App Qty	Description of Work	Unit	Rate in figures	Rate in Words
20	1036	Providing and fixing pre cast solid cement concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation ete.,complete. As per the direction of Engineer incharge	Nos	432.48	Rupees Four Hundred Thirty Two and Forty Eight Paise Only
21	139.89	Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. MORTH Chapter 8 Specification As per the direction of Engineer incharge	Sqm	53.00	Rupees Fifty Three Only
22	139.89	Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. MORTH Chapter 8 Specification As per the direction of Engineer incharge	Sqm	102.82	Rupees One Hundred Two and Eighty Two Paise Only
23	30.00	Laying Reinforced cement concrete pipe NP2/ Prestressed concrete pipe for culverts on first class bedding of granular material in single row including fixing collar with cement martar 1:2 but excluding excavation, protection works, backfilling and masonry works in head walls and parapet complete as per specifications. and as per the directions of the Engineer-in-charge of the work .	m	5976.28	Rupees Five Thousand Nine Hundred Seventy Six and Twenty Eight Paise Only
24	2.02	Providing 100mm and down nominal size and as per the directions of the Engineer-in-charge of the work .	Cum	987.62	Rupees Nine Hundred Eighty Seven and Sixty Two Paise Only
25	1.34	Providing 40mm and down nominal size and as per the directions of the Engineer-in-charge of the work .	Cum	1091.43	Rupees One Thousand Ninety One and Forty Three Paise Only
26	1.34	Providing 20mm and down nominal size and as per the directions of the Engineer-in-charge of the work .	Cum	1091.43	Rupees One Thousand Ninety One and Forty Three Paise Only
27	1.01	Providing fine aggregate 2.36 nominal size and as per the directions of the Engineer-in-charge of the work .	Cum	1054.29	Rupees One Thousand Fifty Four and Twenty Nine Paise Only
28	1361.89	Loading and Unloading of stone boulders by manual means complete as per specificatiion and as per the directions of the Engineer-in-charge of the work .	Cum	60.42	Rupees Sixty and Forty Two Paise Only

H.V.
Executive Engineer 4/11/19
(Yelahanka Project Zone)
Bruhat Bangalore mahanagara palike

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D.T-5 Approved

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